

À des fins de recherche uniquement

# Anticorps Recombinant de lapin anti-Phospho-P53 (Ser15)



Numéro de catalogue: 80195-1-RR

2 Publications

## Informations de base

Numéro de catalogue:

80195-1-RR

Taille:

100ul, Concentration: 250 µg/ml by Nanodrop;

Hôte:

Lapin

Isotype:

IgG

Numéro d'acquisition GenBank:

BC003596

Identification du gène (NCBI):

7157

Nom complet:

tumor protein p53

MW calculé

44 kDa

MW observés:

53 kDa

Méthode de purification:

Purification par protéine A

CloneNo.:

2J21

Dilutions recommandées:

WB 1:2000-1:10000

IF 1:50-1:500

## Applications

Applications testées:

FC, IF, WB, ELISA

Demandes citées:

WB

Spécificité de l'espèce:

Humain

Espèces citées:

Humain

Contrôles positifs:

WB : cellules HT-29 traitées à l'étoposide, cellules A431 traitées aux UV

IF : cellules HT-29 traitées à l'étoposide,

## Informations générales

P53 is a 53 kDa protein that is activated in response to alteration of normal cell homeostasis, including DNA damage, nutrient starvation, heat shock, virus infection, pH change, hypoxia, and oncogene activation. P53 maintains genetic stability by regulating different processes, such as cell-cycle arrest, DNA synthesis and repair, programmed cell death, and energy metabolism. In non-stressed conditions these proteins bind p53, ubiquitylate it and target it for degradation by the proteasome. In stressed conditions the function of the Mdm2-Mdm4 complex is blocked by phosphorylation, protein-binding events and/or enhanced degradation. (PMID: 19935675, PMID: 24379683)

## Publications notables

Autrice	Pubmed ID	Journal	Application
Andreas Müller	37174691	Cells	
Xiao Cui	36690696	Sci Rep	WB

## Stockage

Stockage:

Stocker à -20°C. Stable pendant un an après l'expédition.

Tampon de stockage:

PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3

L'aliquotage n'est pas nécessaire pour le stockage à -20C

\*\*\* Les 20ul contiennent 0,1% de BSA.

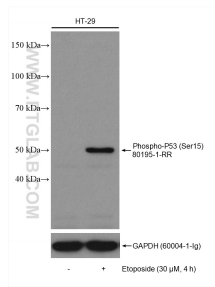
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

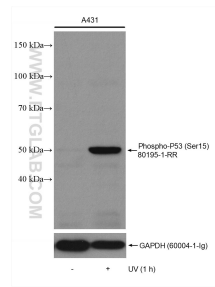
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

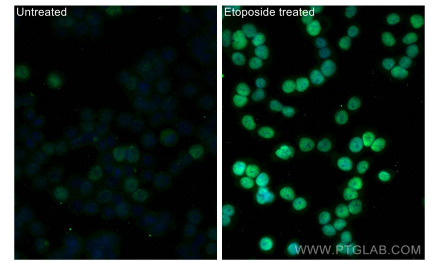
## Données de validation sélectionnées



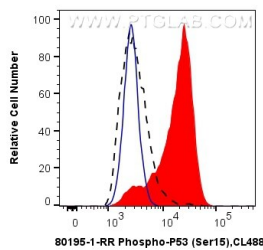
Non-treated and etoposide treated HT-29 cells were subjected to SDS PAGE followed by western blot with 80195-1-RR (Phospho-P53 (Ser15) antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blot with GAPDH antibody as loading control.



Non-treated and UV treated A431 cells were subjected to SDS PAGE followed by western blot with 80195-1-RR (Phospho-P53 (Ser15) antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blot with GAPDH antibody as loading control.



Immunofluorescent analysis of (-20°C Ethanol) fixed etoposide treated HT-29 cells and non-treated HT-29 cells using Phospho-P53 (Ser15) antibody (80195-1-RR, Clone: 2J21) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



1X10<sup>6</sup> A431 cells untreated (dashed line) or treated with UV (red) were intracellularly stained with 0.13 ug Anti-Human Phospho-P53 (Ser15) (80195-1-RR, Clone:2J21) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000, or 0.13 ug Control Antibody (blue). Cells were fixed with 4% PFA and permeabilized with 90% MeOH.